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SOURCE Radio, No 7, 1950, p 60.

NEED MORE RELIABLE INTERSTAGE AND OUTPUT TRANSFORMERS

I. Spizhevskiy

The problem of constructing reliable interstage and output transformers for Rodina receivers is still unsolved by the radio plants of the Ministry of the Communications Equipment Industry. For the last few years, reports have been coming in from radio repair shops and radio amateurs that the transformer windings of Rodina radios broke quickly and that, because of design peculiarities, it was impossible to rewind these transformers. Thus, because of the poor quality of these parts, many Rodina and Rodina-47 receivers are not operating.

Here, for example, is what the radio amateur A. Prokopenko has written from Berestechko, Volyn' Oblast:

"In Volyn', and probably in other regions of the USSR, it would be hard to find a village which does not have some radios. Village clubs, village reading rooms, and radio amateurs have them. Most of them are Rodina battery receivers. But at least half of these receivers are not in operation because of breakdowns in the interstage and output transformers.

"It is impossible to repair these transformers because they are wound without cores and impregnated with a resin compound. As we all know, there are no spare transformers on sale, and consequently damaged transformers cannot be replaced.

"It seems to me that it should be possible to construct more durable transformers or, at least, to place the windings on a core and not impregnate them with resin, so that a radio amateur could rewind them."

Similar complaints were received from I. Shapiro, radio technician of the repair shop of the Pskov Wired Radio Network; from the radio amateur, P. Semlyak, Pavlovka Village, Stalin Oblast; and others. These are not just occasional complaints. They have been coming in for several years. Many of them have been published in this journal.

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The solution to this problem is obvious. The plants must place a sufficient number of these transformers on sale. The most effective way of supplying the consumer would be to make spare parts available to the "Soyuzposyltorg" (Mail Order Office, Ministry of Trade) so that they need not be scattered along the whole trade network of the Soviet Union.

This measure would be the first step toward eliminating the present situation. It can and must be done at once. But in the future, transformers which cannot be repaired must not be used in mass-produced receivers for rural areas.

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